

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Naoyasu MIYAGAWA, et al. Prior Art Unit: 2753
Application No.: Continuation Application of Serial No. 08/396,981,
filed March 1, 1995 Prior Examiner: N. Hindi

Filed: November 22, 1999.

For: OPTICAL RECORDING/REPRODUCING APPARATUS FOR
OPTICAL DISKS WITH VARIOUS DISK SUBSTRATE THICKNESS

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

Prior to initial examination on the merits, please amend the above-captioned application
as follows:

IN THE CLAIMS

Please cancel claims 1-24, without prejudice or disclaimer.

Please add the following new claims:

-- 86. An optical recording/reproducing apparatus for recording, reproducing or erasing
an information signal onto/from any one of N types (where $N \geq 2$) of optical discs having
transparent substrates of different thicknesses, each type of said optical discs having at least said
transparent substrate and an information layer, by converging a light flux onto said information
layer through said transparent substrate, said apparatus comprising:

(a) an optical head including (i) light emitting means for emitting said light flux, (ii)
optical means for converging said light flux onto said information layer, and (iii) at least one
photo detecting means for detecting reflected light from the optical disc; and

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W. J. J. J. J.
8/28/01